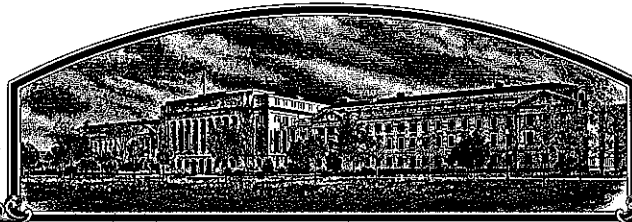


No.

9200071



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

AgriPro Biosciences Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS OF THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Mallard'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C.

this 30th day of July in the year of our Lord one thousand nine hundred and ninety-three.

Attest:

Kenneth Evans

Commissioner

Plant Variety Protection Office
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

1. NAME OF APPLICANT(S) AgriPro Biosciences Inc. <u>HybriTech US, a Monsanto Company CGM</u>		2. TEMPORARY DESIGNATION E86-5941 or ABI 86-5941		3. VARIETY NAME MALLARD				
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 6700 Antioch Shawnee Mission, Kansas 66204		5. PHONE (Include area code) 913-384-4940 (KS) 317-563-3111 (IN)		FOR OFFICIAL USE ONLY PVPO NUMBER 9200071				
6. GENUS AND SPECIES NAME <u>Triticum aestivum</u>		7. FAMILY NAME (Botanical) Gramineae		FILING DATE <u>Jan. 16, 1992</u> TIME <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.				
8. KIND NAME Soft Red Winter Wheat		9. DATE OF DETERMINATION 1) 1986 <u>July 1988</u> 2) 1989 <u>April per letter</u> <u>28 May 1993</u>		AMOUNT FOR FILING \$ <u>250.-</u> DATE <u>Jan. 16, 1992</u> AMOUNT FOR CERTIFICATE \$ <u>250.00</u> DATE <u>April 12, 1993</u>				
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation				FEE RECEIVED				
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware				12. DATE OF INCORPORATION February 10, 1989				
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS <table border="0"> <tr> <td>R.E. Heiner 6700 Antioch Shawnee, Mission KS 66204 913-384-4940</td> <td>or</td> <td>Koy Miskin or C. Bruns R.R.#2, Box 411 Brookston, IN 317-563-3111</td> </tr> </table>						R.E. Heiner 6700 Antioch Shawnee, Mission KS 66204 913-384-4940	or	Koy Miskin or C. Bruns R.R.#2, Box 411 Brookston, IN 317-563-3111
R.E. Heiner 6700 Antioch Shawnee, Mission KS 66204 913-384-4940	or	Koy Miskin or C. Bruns R.R.#2, Box 411 Brookston, IN 317-563-3111						
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement. c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.) d. <input checked="" type="checkbox"/> Exhibit D, Additional Description of Variety. e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership. <u>Exhibit F. Quality & Agronomic Data</u> 								
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) <input checked="" type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input type="checkbox"/> No								
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input checked="" type="checkbox"/> Foundation <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified					
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? <input type="checkbox"/> Yes (If "Yes," give date) <input checked="" type="checkbox"/> No								
19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input checked="" type="checkbox"/> No								
20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.								
SIGNATURE OF APPLICANT <u>Robert E Heiner</u>				DATE <u>7 Jan 1992</u>				
SIGNATURE OF APPLICANT				DATE				

EXHIBIT A.

ORIGIN AND BREEDING HISTORY MALLARD

Parentage: Wheeler/Caldwell

Date of Last Cross: Spring of 1981

Breeding History: The cross between Wheeler and Caldwell was made in the spring greenhouse of 1981. The F1 and F2 generations were grown in the field in 1982 and 1983 respectively. Head selections were made and the F3 and F4, single seed descent generations were grown in the 1984 greenhouse. Sixty-four F5 head-rows were grown out in 1985 and a line was selected which became E86-5941. Mallard was in Y1 (preliminary) yield trials in Marion, Arkansas in 1986. It was in advanced yield testing from 1987 to 1990. It was tested in the Uniform Southern Soft Wheat Nursery in 1990 under the number ABI86-5941.

In 1988, one hundred head-rows were grown in Marion, Arkansas. Ninety-five of these head-rows were selected for harvest and advanced to a .2 acre initial seed increase that was planted in Berthoud, Colorado which produced 450 pounds of initial seed. In 1990 an additional breeder seed field in Albion, Illinois produced 12,840 pounds of breeder seed.

Mallard has been uniform and stable since 1990 as observed in the breeder seed production. Less than 0.5% of the plants were rogued from the breeder seed field in 1990. Approximately 90% of the rogued variant plants were three to ten centimeters taller than Mallard, and approximately 10% were awned plants. Up to 1% total variant plants may be encountered in subsequent generations.

EXHIBIT B.**NOVELTY STATEMENT**

Mallard is most similar to the soft red winter wheat Caldwell. However, it can be easily distinguished by the following morphological characteristics:

- Mallard has an erect flag leaf. Caldwell has a recurved flag leaf, (Published in Crop Science; Vol.22, May-June 1982).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (TRITICUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) AgriPro Biosciences Inc.	FOR OFFICIAL USE ONLY PVPO NUMBER 9200071
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 6700 Antioch Shawnee Mission, Kansas 66204	VARIETY NAME OR TEMPORARY DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. KIND:

1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:

1 = SPRING 2 = WINTER 3 = OTHER (Specify) 1 = SOFT 3 = OTHER (Specify)
 2 = HARD

1 = WHITE 2 = RED 3 = OTHER (Specify)

3. SEASON - NUMBER OF DAYS FROM ~~EMERGENCE~~ TO:

FIRST FLOWERING Jan. 1st/ LAST FLOWERING

4. MATURITY (50% Flowering):

same maturity as FL302

NO. OF DAYS EARLIER THAN 1 = ARTHUR 2 = SCOUT 3 = CHRIS
 NO. OF DAYS LATER THAN 4 = LEMHI 5 = NUGAINE 6 = LEEDS

5. PLANT HEIGHT (From soil level to top of head):

CM. HIGH

CM. TALLER THAN

CM. SHORTER THAN 1 = ARTHUR 2 = SCOUT 3 = CHRIS
4 = LEMHI 5 = NUGAINE 6 = LEEDS 7 = FL302

6. PLANT COLOR AT BOOTING (See reverse):

1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTER COLOR:

1 = YELLOW 2 = PURPLE

8. STEM:

Anthocyanin: 1 = ABSENT 2 = PRESENT

Vaxy bloom: 1 = ABSENT 2 = PRESENT

Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT

Internodes: 1 = HOLLOW 2 = SOLID

NO. OF NODES (Originating from node above ground)

CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:

Anthocyanin: 1 = ABSENT 2 = PRESENT

Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:

Flag leaf at booting stage: 1 = ERECT 2 = RECURVED
3 = OTHER (Specify):

Flag leaf: 1 = NOT TWISTED 2 = TWISTED

Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT

Vaxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT

MM. LEAF WIDTH (First leaf below flag leaf)

CM. LEAF LENGTH (First leaf below flag leaf)

FORM GR-470-5 (REVERSE)

11. HEAD:

☐ 3 Density: 1 = LAX 2 = DENSE 3 = middense ☐ 1-2 Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify) _____

☐ 3 Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

☐ 1 Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____

☐ 0 8 CM. LENGTH ☐ 1 0 MM. WIDTH

12. GLUMES AT MATURITY:

☐ 2 Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.) ☐ 2 Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) 3 = WIDE (CA. 4 mm.)

☐ 2-3 Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE ☐ 1 Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

☐ 2 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

☐ 2 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

☐ 2 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

☐ 1 Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL ☐ 1 Check: 1 = ROUNDED 2 = ANGULAR

☐ 2-3 Brush: 1 = SHORT 2 = ~~midlong~~ to long 3 = LONG ☐ 1 Brush: 1 = NOT COLLARED 2 = COLLARED

☐ Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

☐ 3 Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

☐ 5 8 MM. LENGTH ☐ 3 0 MM. WIDTH ☐ 2 9 GM. PER 1000 SEEDS

17. SEED CREASE:

☐ 1 Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI' ☐ 1 Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3 = Moderately Susceptible 4 = Moderately Resistant

☐ 2 STEM RUST (Races) field races ☐ 2 LEAF RUST (Races) field races ☐ 0 STRIPE RUST (Races) ☐ 0 LOOSE SMUT

☐ 2 POWDERY MILDEW ☐ 0 BUNT ☐ 4 OTHER (Specify) Barley yellow dwarf virus Soil borne Mosaic Virus Septoria tritici

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3 = Moderately Susceptible 4 = Moderately Resistant

☐ 0 SAWFLY ☐ 0 APHID (Bydv.) ☐ 3 GREEN BUG ☐ 0 CEREAL LEAF BEETLE

☐ OTHER (Specify) _____ HESSIAN FLY RACES: ☐ 2 GP ☐ 2 A ☐ 2 B ☐ 0 C ☐ 0 D ☐ 2 E ☐ 0 F ☐ 0 G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Caldwell	Seed size	Caldwell
Leaf size	Caldwell	Seed shape	Cherokee
Leaf color	Caldwell	Coleoptile elongation	Caldwell
Leaf carriage	Lincoln	Seedling pigmentation	Cherokee

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.T. Briggie and L.P. Reitz, 1963, Classification of Triticum Species and Their Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) F.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, Contribution No. 25 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

EXHIBIT D.

ADDITIONAL DESCRIPTION MALLARD

Mallard is a soft red winter wheat bred and developed by AgriPro Biosciences Inc. It is high yielding, medium maturity and has very strong straw. Mallard provides excellent protection against stem rust and very good protection against leaf rust, scab, *Septoria nodorum* and Wheat spindle streak virus. It gives good protection to Soil borne mosaic, powdery mildew, *Septoria tritici* and Barley yellow dwarf virus. The milling quality is excellent and the baking quality is very good.

Juvenile growth habit is semi-erect. Plant color at boot stage is green with an erect, twisted flag leaf. Auricle hairs and auricle anthocyanin are present. Waxy bloom is present on the head, flag leaf sheath and stem. Head shape is tapering to strap, middense and awnleted. Glumes are midlong and midwide with oblique to round shoulders and obtuse beaks. Seed shape is ovate with round cheeks. Seed crease is narrow and seed depth is shallow.

Mallard is best adapted to the midsouth area of the United States. Primarily from southern Indiana to southern Arkansas and from Missouri to the east coast.

EXHIBIT F.**QUALITY AND AGRONOMIC DATA**

Quality Data 1987-1989	page 1.
Agronomic and Pathologic Data	page 2.
1990 Field Summary Data	page 3.
USDA Hessian Fly Ratings	page 4.

ACRIPRO WHEAT
SOFT RED WINTER WHEAT

YEAR: 1990

YEAR	VARIETY OR LINE MALLARD	LOC	MILLING						BAKING				SCORES		
			WH PROT		BRK FLR		TOT FLR		FL PROT		C. DIAM		T.G R	HARD QV/NRS	MILL BAKE
			%	R	%	R	%	R	%	R	mm	R			
89	E86-5941	RA	9.5	0	45.7	4	67.7	2	8.1	1	18.5	1	5	79/ 05	8-A 8-A
89	E86-5941	SM	10.0	0	37.9	5	65.2	2	8.7	1	18.0	1	3	77/ 18	9-A 6-A
88	E86-5941	JA	9.3	0	39.6	1	68.4	1	7.9	3	18.1	1	3	78/ 21	3-A 8-A
87	E86-5941	CI	8.3	3	42.8	1	67.7	1	6.7	5	18.8	3	6	75/ 00	3-A 17-C
AVERAGE			9.3	0	41.5	3	67.3	2	7.9	3	18.4	2	4	77/ 15	6-A 10-B
89	CALDWELL	RA	9.5	0	44.7	5	65.4	4	7.6	3	18.5	1	4	79/ 12	13-B 9-A
89	CALDWELL	SM	9.9	0	37.6	5	63.9	4	8.0	1	18.4	1	3	76/ 23	13-B 6-A
88	CALDWELL	JA	8.8	0	39.6	1	67.7	1	7.5	5	17.9	1	4	75/ 35	3-A 11-B
87	CALDWELL	CI	8.4	3	41.6	3	65.0	2	6.5	1	18.2	1	5	71/ 00	7-A 8-A
AVERAGE			9.2	0	40.9	4	65.5	3	7.4	3	18.3	1	4	75/ 23	9-A 9-A
GRADES:			A-EXCELLENT		B-GOOD		C-ACCEPTABLE		D-QUESTIONABLE		F-UNACCEPTABLE				
R-RATINGS:			1-2=EXCELLENT		3-4=GOOD		5=ACCEPTABLE		6-7=QUESTIONABLE		8-9=UNACCEPTABLE				

8

1988-1990 AGRONOMIC AND PATHOLOGICAL DATA

	<u>TW</u> ¹	<u>HD</u> ¹	<u>HT</u> ¹	<u>Ldg</u> ²	<u>Sur</u> ²	<u>LR</u> ¹	<u>SR</u> ¹	<u>Sep</u> ¹ <u>nod</u>	<u>Sep</u> ¹ <u>trit</u>	<u>PM</u> ¹	<u>Leaf</u> ¹ <u>blight</u>	<u>Scab</u> ¹
MALLARD	54	116	34	2	3	2	1	4	5	3	6	1
FL302	55	116	38	2	5	4	2	3	6	2	7	2

	<u>WSSV</u> ¹	<u>SBMV</u> ³	<u>BYDV</u> ¹	<u>Rhiz</u> ⁴	<u>HF</u> ¹	<u>Grn. Bug</u> ¹
MALLARD	4	5	4	8	5	6
FL302	4	5	4	8	9	6

Heading date = days from January 1st
All scores = 0-9 with 9=worst

1. 1990 USSWN, ave. all loc.
2. 1989-1990 AgriPro data
3. University of Illinois, 1990 data
4. 1988 AgriPro lab tests

1990 FIELD SUMMARY OF MALLARD

<u>Location</u>	<u>Bu/A</u>	<u>Trial Mean</u>	<u>Location</u>	<u>Bu/A</u>	<u>Trial Mean</u>
ALABAMA			KANSAS		
Belle Mina	41	29	Manhattan	75	54
Huntsville	45	25	Parsons	36	33
ARKANSAS			KENTUCKY		
Bald Knob	66	61	Lexington	39	38
Bay	56	43	Princeton	54	46
Burdette	36	27	MARYLAND		
Crawfordsville	57	48	Quantico	81	75
Forest City	71	49	MISSOURI		
Jonesboro	44	36	Bernie	57	47
Keiser	51	47	Cooter	37	40
Marvel	62	53	Portageville	53	43
FLORIDA			Sikeston	38	34
Jay	14	29	MISSISSIPPI		
Marianna	35	30	Raymond	31	28
Quincy	32	40	NORTH CAROLINA		
GEORGIA			Clayton	45	36
Griffin	74	55	PENNSYLVANIA		
Tifton	60	57	Landisville	89	85
ILLINOIS			SOUTH CAROLINA		
Champaign Co.	73	67	Clemson	55	52
Grayville	47	21	Florence	41	38
Pana	64	56	St. Matthews	71	69
INDIANA			TEXAS		
Princeton	43	43	Dallas	65	53
			Overton	55	43
			VIRGINIA		
			Warsaw	69	74
			Avg	53	46

Reaction of wheats having different genes for
resistance to Hessian fly biotypes.

Biotype	Wheat cultivars				
	Turkey	Seneca (H7H8)	Monon (H3)	Knox 62 (H6)	Abe (H5)
GP	S	R	R	R	R
A	S	S	R	R	R
B	S	S	S	R	R
C	S	S	R	S	R
D	S	S	S	S	R
E	S	R	S	R	R
F	S	R	R	S	R
G	S	R	S	S	R
H	S	R	R	R	S
I	S	S	R	R	S
J	S	S	S	R	S
K	S	S	R	S	S
L	S	S	S	S	S
M	S	R	S	R	S
N	S	R	R	S	S
O	S	R	S	S	S

R=resistant; S=susceptible. (After Gallun 1977)

Determined by extrapolation. ABI 86-5941 carries the H6 gene for Hessian fly resistance. According to USDA tests this gene gives resistance to biotypes GP, A, B, E, H, I, J, & M.

//

EXHIBIT E.**STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP**

AgriPro Biosciences Inc. is the applicant for protection in this case being:

- a) The incorporated business (registered in Delaware) for and within which regular employees have bred the named variety.
- b) The proprietary owner and intending commercial user of the variety.